

**WASHINGTON STATE DEPARTMENT OF HEALTH  
OFFICE OF FOOD SAFETY AND SHELLFISH PROGRAMS**

**ANNUAL GROWING AREA REVIEW**

**PREPARED BY:** Donald Melvin, Environmental Specialist

**AREA:** Protection Island

**YEAR ENDING:** December 31, 2005

**CLASSIFICATION:** Approved, Prohibited

**ACTIVITIES IN THE GROWING AREA IN 2005:**

Samples were collected from each station in the growing area 6 times during the year using the systematic random sampling method. The boundaries of the Protection Island shellfish area were redefined to include sampling stations #42, #43, #183, #184, and #185 which were formerly part of the Port Townsend shellfish area. The area was closed for 21 days due to high levels of biotoxin.

**ANALYTICAL RESULTS OF WATER SAMPLES:**

Table #1 summarizes the results of all samples collected from the area. This summary shows that all stations in the area pass the NSSP water quality standard.

**CHANGE IN ACTUAL POLLUTION SOURCES THAT IMPACT THE GROWING AREA:**

We currently have no information indicating that the area has new sources of pollution.

**CLASSIFICATION STATUS:**

- ☒ Well within the classification standards
- ☐ Meets standards but some concerns
- ☐ Meets standards but threatened with a downgrade in classification
- ☐ Fails to meet classification standards

**REMARKS AND RECOMMENDATIONS:**

Table #1 shows that all stations meet the NSSP water quality standards for approved classification and the area is correctly classified.

**TABLE 1**

**SUMMARY OF MARINE WATER DATA (SRS)**

Growing Area: **PROTECTION ISLAND**

Classification: **Approved,Unclassified**

From **01/10/2001** To **12/07/2005**

**FECAL COLIFORM ORGANISMS/100 ML**

<b>Station Number</b>	<b>Classification</b>	<b>Number of Samples</b>	<b>Range</b>	<b>Geometric Mean</b>	<b>Est. 90th Percentile</b>	<b>Meets Std.</b>
42	Approved	37	1.7 - 4.5	1.7	2.0	Yes
43	Approved	38	1.7 - 2.0	1.7	1.0	Yes
68	Approved	30	1.7 - 33.0	2.2	5.0	Yes
69	Approved	30	1.7 - 17.0	2.1	4.0	Yes
70	Approved	30	1.7 - 7.8	1.8	2.0	Yes
71	Approved	30	1.7 - 33.0	2.1	4.0	Yes
183	Unclassified	11	1.7 - 1.7	1.7	1.0	*N/A
184	Unclassified	10	1.7 - 1.7	1.7	1.0	*N/A
185	Unclassified	10	1.7 - 2.0	1.7	1.0	*N/A

All tides information is presented

The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/100 ml and an estimate of the 90th percentile not greater than 43 organisms/100 ml. The above table shows bacteriological results in relation to program standards.

\* N/A - SRS criteria require a minimum of 30 samples from each station. \*



